The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC.

Part – A

AQAR for the year

2015-2016

1. Details of the Institution

1.1 Name of the Institution

Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad- 402103

1.2 Address Line 1

Dr Babasaheb Ambedkar Technological University, Lonere

Address Line 2

Vidyavihar, Lonere

City/Town

Lonere

State

Maharashtra

Pin Code

402103

Institution e-mail address

registrar@dbatu.ac.in

Contact Nos.

02140275142

Name of the Head of the Institution:

Dr. V. G. Gaikar

Tel. No. with STD Code:

02140275101

Mobile:

9969523713

Name of the IQAC Co-ordinator:

Dr. L. N. Singh

Mobile:

8087369025

IQAC e-mail address:

lnsingh@dbatu.ac.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

OR

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)_05_A&A _083 dated 3-3-2015-Dr.
Babasaheb Ambedkar Technological
University, Lonere-Maharashtra

1.5 Website address:

www.dbatu.ac.in

Web-link of the AQAR:

www.dbatu.ac.in/AQAR2015-16.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.35	2015	05
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

21/03/2016

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

    i.   AQAR   (DD/MM/YYYY)
    ii. AQAR   _____ _____   (DD/MM/YYYY)
    iii. AQAR_____ _____   (DD/MM/YYYY)
    iv. AQAR_____ _____   (DD/MM/YYYY)

1.9 Institutional Status

   University   State √   Central ☐   Deemed ☐   Private ☐

   Affiliated College   Yes ☐   No √

   Constituent College   Yes ☐   No √

   Autonomous college of UGC Yes ☐   No √

   Regulatory Agency approved Institution   Yes √   No ☐

   (eg. AICTE, BCI, MCI, PCI, NCI)

   Type of Institution   Co-education √   Men ☐   Women ☐

                          Urban ☐   Rural √   Tribal ☐

   Financial Status   Grant-in-aid √   UGC 2(f) √   UGC 12B √

                       Grant-in-aid + Self Financing ☐   Totally Self-financing ☐

1.10 Type of Faculty/Programme

        Arts ☐   Science ☐   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

        TEI (Edu) ☐   Engineering √   Health Science ☐   Management ☐

        Others   (Specify)   --

1.11 Name of the Affiliating University *(for the Colleges)*   N.A.

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University | YES

University with Potential for Excellence	--	UGC-CPE	--
DST Star Scheme	--	UGC-CE	--
UGC-Special Assistance Programme	--	DST-FIST	--
UGC-Innovative PG programmes	--	Any other (*Specify*)	--
UGC-COP Programmes	--		

2. IQAC Composition and Activities

2.1 No. of Teachers `09`

2.2 No. of Administrative/Technical staff `01`

2.3 No. of students `--`

2.4 No. of Management representatives `01`

2.5 No. of Alumni `--`

2.6 No. of any other stakeholder and

   Community representatives `01`

2.7 No. of Employers/ Industrialists `01`

2.8 No. of other External Experts `--`

2.9 Total No. of members `13`

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. `--`   Faculty `01`

   Non-Teaching Staff Students `--`   Alumni `--`   Others `--`

2.12 Has IQAC received any funding from UGC during the year?   Yes ☐   No `√`

   If yes, mention the amount `--`

2.13 Seminars and Conferences (only quality related)

   (i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

   Total Nos. ☐   International ☐   National ☐   State ☐   Institution Level ☐

   (ii) Themes `--`

2.14 Significant Activities and contributions made by IQAC

   `NA`

2.15 Plan of Action by IQAC/Outcome

The plan of action towards enhancement of quality of the university includes:

- Timely submission of AQAR (short-term)
- Strengthening office of IQAC (short-term)
- IQAC seminars on quality, excellence etc. (short-term)
- Idea boxes to invite ideas (short-term)
- Inviting suggestions from public, intellectuals (short-term)
- On-line AQAR data collection. (mid-term)
- University admin staffs in committees (short-term)
- Governor's tri-monthly report (short-term)
- Data collection strategy (short-term)
- Supervise the functioning of various committees to ensure transparency in all activities.
- Preparation of budgets for annual activities and getting approval from the management.
- To strengthen the grievance re-dressal mechanism by incorporating a complaint and suggestion box or email.
- To Schedule regular meetings between Management and Staff.

2.15 Whether the AQAR was placed in statutory body   Yes [   ]   No [√]

Management [   ]   Syndicate [   ]   Any other body [   ]

Provide the details of the action taken

NA

Part – B

Criterion – I

1. Curricular Aspect

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	11	-	-	-
PG	07	-	07	-
UG	08	-	-	-
PG Diploma	NA	-	-	-
Advanced Diploma	NA	-	-	-
Diploma	**NA**	-	-	-
Certificate	NA	-	-	-
Others	NA	-	-	-
Total	26	-	07	-

Interdisciplinary	-	--	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: CBCS
(ii) Pattern of programmes:

Pattern	Number of UG programmes	Number of PG programmes	Number of Diploma programmes
Semester	08	07	--
Trimester	NA	--	--
Annual	NA	--	--

1.3 Feedback from stakeholders*   Alumni [√]   Parents [√]   Employers [√]   Students [√]
    (On all aspects)

     Mode of feedback : Online [ ] Manual [√] Co-operating schools (for PEI) [ ]

*Please provide an analysis of the feedback in the Annexure

Please refer Annexure A

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

> First year syllabus will be revised in the academic year 2016-2017. Subsequently, the second year, third year and final year syllabus will be revised in the academic year 2017-2018. Revision of syllabus is under process and new syllabus will be effective from academic year 2016-17.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
56	28	20	06	02

2.2 No. of permanent faculty with Ph.D.

35

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
--	22	--	11	--	06	--	--	--	39

2.4 No. of Guest and Visiting faculty and Temporary faculty

00   03   49

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	34	35	03
Presented papers	34	35	03
Resource Persons	00	35	00

2.6   Innovative processes adopted by the institution in Teaching and Learning:

The faculty members have been increasingly making use of technology to supplement their teaching in the last four years. For example, NPTEL and QEEE courses, video films and animations, course material and reference material downloaded from internet are being used extensively. This has resulted in improvement in teaching and it has been evident from the students' feedback. Recognition to the teachers who have effectively used these resources are given in the annual performance appraisals.

The University conducts remedial coaching classes for the academically weak students on a regular basis. There is a separate remedial coaching cell for this purpose. A faculty member has been appointed as the Coordinator for this Cell. He is assisted by three members from supporting staff. Each Department

prepares a separate time-table for remedial courses. Usually, these classes are conducted during evenings or on holidays.

2.7 Total No. of actual teaching days during this academic year: 180 Days

2.8 Examination/ Evaluation Reforms initiated by
the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

| Open book for some subjects and photocopy of the answer books given if asked by the students |

2.9 No. of faculty members involved in curriculum
Restructuring /revision/ syllabus development
as member of Board of Study/Faculty/Curriculum Development workshop

| 20 | 00 | 00 |

2.10 Average percentage of attendance of students

| 85% |

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme B.Tech	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Chemical Engg	79	16	43	18	--	1
Civil Engg	79	10	47	23	--	4
Computer Engg	73	14	55	27	--	1
Electrical Engg	80	24	43	11	--	0
EXTC Engg	138	20	56	17	--	1
IT	84	05	49	21	--	2
Mechanical Engg	66	14	53	20	--	0
Petrochemical Engg	73	8	33	32	--	5

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC schedules departmental/ general staff meetings regularly. To evaluate the Teaching & Learning every faculty is advised to submit lesson plan before the start of each semester for respective subjects while it is also mandatory to submit the course files for their subjects at the end of each semester containing Lecture notes, PPT presentations, Reference materials, Teaching Plan, Date-wise coverage of syllabus as per time table, Attendance of students supported by the signatures of the students in each lecture, Declaration of methodology of continuous assessment and Mid-term examination, Dates of submission of question papers, and online uploading of marks, Model answers of question papers along

with justifications for discrepancies, if any. It also schedules periodic meetings of the research scholars for research evaluation.

2.13 Initiatives undertaken towards faculty development

- Skill development programmes under National Skill Development Certificate scheme.
- Ensure the financial Support for staff and students to attend conferences and seminars.
- Training programmes for non-teaching staff in file management, clerical and secretarial works.
- Conducted workshop for all staff members in e –governance.

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	15
UGC – Faculty Improvement Programme	NIL
HRD programmes	NIL
Orientation programmes	NIL
Faculty exchange programme	NIL
Staff training conducted by the university	03
Staff training conducted by other institutions	03
Summer / Winter schools, Workshops, etc.	05
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	27	10	00	24
Technical Staff	30	18	00	17

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Providing seed money
- Ensure the financial support to attend conferences and seminars
- Simplification of procedures related to sanctions / purchases to be made by the investigators
- Autonomy to the principal investigator/coordinator for utilizing overhead charges
- Timely release of grants
- Timely auditing
- Submission of utilization certificate to the funding authorities

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	03	00	00
Outlay in Rs. Lakhs	5.93	29.43	00	00

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	00	00	00	00
Outlay in Rs. Lakhs	00	00	00	00

3.4   Details on research publications

	International	National	Others
Peer Review Journals	36	05	00
Non-Peer Review Journals	00	00	00
e-Journals	00	00	00
Conference proceedings	36	36	00

3.5 Details on Impact factor of publications:

Range   0.5-4   Average   1.5   h-index   15   Nos. in SCOPUS   --

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2013-2016	AICTE, GoM, various industries	29.43	27.67
Minor Projects	NIL	NIL	NIL	NIL
Interdisciplinary Projects	NIL	NIL	NIL	NIL
Industry sponsored	NIL	NIL	NIL	NIL

Projects sponsored by the University/ College	NIL	NIL	NIL	NIL
Students research projects *(other than compulsory by the University)*	NIL	NIL	NIL	NIL
Any other(Specify)	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL

3.7 No. of books published   i) With ISBN No.   `03`   Chapters in Edited Books

                   ii) Without ISBN No.   `--`

3.8 No. of University Departments receiving funds from

            UGC-SAP `--`   CAS `--`   DST-FIST `--`

            DPE `--`   DBT Scheme/funds `--`

3.9 For colleges   Autonomy `--`   CPE `--`   DBT Star Scheme `--`

            INSPIRE `--`   CE `--`   Any Other (specify) `--`

3.10 Revenue generated through consultancy   **21,88,000/-**

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	01	--	--	--
Sponsoring agencies	--	IETE			

3.12 No. of faculty served as experts, chairpersons or resource persons   `01`

3.13 No. of collaborations   International `01`   National `01`   Any other `00`

3.14 No. of linkages created during this year   `01`

3.15 Total budget for research for current year in lakhs:

    From funding agency   `AICTE`   From Management of University/College `--`

    Total   `27.67 Lakhs`

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	02
	Granted	01
International	Applied	--
	Granted	01
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions   received by faculty and research fellows
     of the institute in the year

Total	International	National	State	University	Dist	College
04	00	04	00	00	00	00

3.18 No. of faculty from the Institution
     who are Ph. D. Guides   35
     and students registered under them   95

3.19 No. of Ph.D. awarded by faculty from the Institution   --

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   20   SRF   10   Project Fellows --   Any other   --

3.21 No. of students Participated in NSS events: 377

University level   353   State level   24

National level   --   International level   --

3.22 No. of students participated in NCC events:

University level   100   State level

National level   8   International level

3.23 No. of Awards won in NSS:

University level   --   State level   03

National level   --   International level   --

3.24 No. of Awards won in NCC:

University level [10]   State level [ ]

National level [8]   International level [ ]

3.25 No. of Extension activities organized

University forum [0]   College forum [0]

NCC [0]   NSS [0]   Any other [0]

3.26 Major Activities conducted during the year

Sr. No.	Name of the Course	Duration	Name of the Coordinators	Eminent Speakers
1.	Career in Civil Services	05/10/2015	Mr. S. V. Khobragade	Unique Academy
2.	Gesture Control Robotics	03/10/2015 to 04/10/2015	Dr. S. L. Nalbalwar	Infi-Zeal Technologies, Delhi
3.	Internet of Things	16/10/2015	Mr. S. V. Khobragade	Dr. D. V. Kodavade
4.	Practical EM for Modern Antennas, RF and Microwave Designs	25-27/09/2015	Dr. A. B. Nandagaonkar	Entuple Technologies, Bangaluru
5.	Ethical Hacking	10-11/09/2015	Dr. S. L. Nalbalwar	Mr. Oops
6.	Sixth Sense Robotics	05-06/09/2015	Dr. S. L. Nalbalwar	Tech Bharat, Delhi in association with COEP
7.	Simtel Software	22/07/2015	Dr. A. B. Nandagaonkar	Scientech Technologies
8.	Embedded System	20/08/2015	Dr. B. R. Iyer	Global Technologies
9.	Pedagogy and Outcome Based Education (1 –day Training for	03/10/2015	Dr. A. B. Nandagaonkar	Dr. Revankar, Professor, YASHDA, Pune

	faculty)			
10.	A Journey from Campus to Corporate	10/10/2015	Mr. S. V. Khobragade	Grad2Guru, Mumbai
11.	Recent Advances in Wireless Communication (Expert Talk for PG students)	5/12/2015	Dr. S.L. Nalbalwar	Dr. Munir Sayyad, Head, Innovation Lab, Reliance Jio, Mumbai
12.	Microwave Imaging and Stealth Applications	16/01/2016	Dr. B. R. Iyer	Dr. Dharmendra Singh, IITR
13.	Wall Following Robotics	06/02/2016-07/02/2016	Dr. S.L. Nalbalwar	Infi-Zeal Technologies, Delhi
14.	Wavelet Transform and its applications	02/03/2016	Dr. S.L. Nalbalwar	Prof. V. M. Gadre, IITB
15.	Evaluation of OSS and BSS in Telecomm	23/04/2016	Dr. S.L. Nalbalwar	Shri. Suresh Lok, Senior VP, Consulting Innovation and Evaluation for New age Services at International Innovation, Incubation and Training center, Navi Mumbai
16.	e- Governance and Chain Management	23/04/2016	Dr. S.L. Nalbalwar	Prof. P.S. Revankar, Director, Center for Information, YASHADA (Yashwantrao Chavan Academy of Development Administration), Pune
17.	Opportunities in Services	23/04/2016	Dr. A.B. Nandgaonkar	Ravindra Kale, Sr. Programme Manager, Tata Communication Ltd, Mumbai
18.	Vocal Tract Shape Estimation	23/04/2016	Dr. S.L. Nalbalwar	Dr. Milind Shah, Professor & Head, Department of Electronics and Telecommunication Engg. Fr. C. Rodrigues Institute of

				Technology, Navi Mumbai
19.	Internet of Things and Cloud	23/04/2016	Mr. S. V. Khobragade	Dr. Munir Sayyad, General Manager, Reliance JIO
20.	Internet Security	23/04/2016	Mr. S. V. Khobragade	Dr. Bandu Meshram, Professor, Computer Engineering VJTI, Mumbai
21.	Recent trends in Antenna Design	23/04/2016	Dr. S.L. Nalbalwar	Dr. S.B. Deosarkar
22.	Introduction to OBE	24/04/2016	Dr. S.L. Nalbalwar	Dr. Archana Revankar, GCoE Aurangabad
23.	Key note address on present scenario of Telecommunication Industry	23/04/2016	Dr. S.L. Nalbalwar	Shri. Suresh Lok, Senior VP, Consulting Innovation and Evaluation for New age Services at International Innovation, Incubation and Training center, Navi Mumbai
24.	Phase Array Antenna and Applications	23/04/2016	Dr. A.B. Nandgaonkar	Dr. Kushal Tuckle, Chairman and Director R & D, AGV Systems Pvt. Ltd., Mumbai
25.	Internet Security	23/04/2016	Dr. S.L. Nalbalwar	Professor, Computer Engineering VJTI, Mumbai
26.	Industrial Meet	19/03/2016	All faculty Members	Total 17 Members from different industry attend the meeting
27.	Industry and Academia Meet	23/04/2016	Hon. Vice-Chancellor	5 Members from Industry and Four Members from Academics were present
28.	Migration to Open Source Platform	31/10/2015	Prof. Vinod Kadam	Mr. Krishnakant Mane
29.	Nature Inspired Computations in Engineering	18-22 May 2015	Dr. K. Vadirajacharya	Prof R. Gudi and Prof . PVS Natarajan IIT Mumbai
30.	An Overview of Engineering Design Optimization	2- 6 November 2015	Dr. K. Vadirajacharya	CEP IIT Mumbai
31.	Safety measures in laboratories	25-29 Feb 2016	Dr. K. Vadirajacharya	V. K. Gerg Sudhrshan chemicals Roha

Expert talks by Alumni on 18/05/2016

Sr. No.	Name of the Topic	Name of Alumni	Participants
1	ORACLE Systems, Database, Applications and Cloud: Overview	Anilkumar Pawar, Principal Solution Consultant, ORACLE India Private Limited	M.Tech and Final Year Students
2	Advances in Information Theory and Coding	Bhushankumar N Shinde, NDMVPSS, KABG, Thakare College of Engg Nasik	M.Tech and Final Year Students
3	Career Options after PG	Prof. Sanjay Patil, A.C. College of Engineering, Navi Mumbai	M.Tech and Final Year Students

Workshops attended by Faculties, Research scholars and PG students:

Sr. No.	Title	Date	No. of Participant
1.	TEQIP-KITE interaction at IITB	29th Feb, 2016 - 01st March, 2016	14
2.	CEP-TEQIP-KITE Course on "Digital Signal Processing" at IITB	02nd to 06th November, 2015	03
3.	CEP-Optimization at IITB	02nd to 06th November, 2015	05
4.	Project and exhibition on DSP based projects	20th March, 2016	20
5.	India Antenna Week	June 6-10, 2016	01 (Pratima Nirmal)
6.	workshop on Python and Latex	February 2016	30(UG + PG students)
7.	FDP on Recent Trends in Energy Research	7-11 Dec., 2015	30
8.	one day workshop for "Jal-Jagruti Abhiyan"	21/03/16	30
9.	Outcome Based Education	23 th June to 28th June 16	30
10.	MATLAB in Research and Data Analytics	One week 2nd-7th May, 2016	1(H. A. Akarte)
11.	Introduction to Design of Algorithm Organized	April 27th to May 30th 2015.	1(H. A. Akarte)
12.	An Overview of Engineering Design Optimization	02nd to 06th November, 2015	10
13.	Leadership skills	31 October, 2015	30
14.	Nature Inspired Computations in Engineering	18-22 May 2015	20

15.	International Workshop on "Smart Technology"	25-26 September, 2015	20
16.	Outcome based Education 2015	9-10 January, 2016	10
17.	International Summit on WOSA	18- 20 March, 2016	10
18.	Quality Initiatives in Technical and Higher Educational Institutes,	23-25 February, 2016.	1
19.	"SCILAB & SCICOS (Open source alternative to MATALAB & SIMULINK): Learning by Doing"	17-28 May, 2016	02
20.	Recent Trends in Cyber Security	14-18 December,2015	02
21.	Two days' workshop on Introduction to Robotics	18-19 January, 2016	01
22.	Developments in Welding Technology	March 8- 12, 2016	02
23.	Robotisation in Automotive Industries	April 9, 2016	01
24.	Advances in Precision Manufacturing	December 5, 2015	01
25.	Short Term Course on Condition Monitoring of Rotating Machine Elements at IIT, Indore on "Piping Engineering"	May 11 - 15, 2015	01
26.	Soft Skills	$18^{th} – 24^{th}$ August, 2015	30
27.	Workshop on Personality Development, " Even Higher Skills	24-25th October,2015	50
28.	Pedagogy	3rd October, 2015,	30
29.	SCILB & SCICOS (Open source alternative to MATALAB & SIMULINKJ)	17th - 28th May 2015	01 (SRH)
30.	Technical Communication	08th Oct.- 05 Dec. 2015	01 (SVB)
31.	Migration to Open Source Platform	31st October ,2015	01 (SRH)

Academic Awareness activities conducted

1. **Industrial Meet:** Industrial meeting was called on 19/03/2016 at 4.00 pm. Agenda for the meeting was as follows: 1. Feedback on current curriculum of UG and PG programme. 2. Arranging expert talk for guiding UG and PG student regarding career opportunities and skills required for industry. 3. Exploring the tie-up with industries. 4. Exploring the possibilities of student placement. 5. Funding for various departmental activities. 6. Exploring possibilities of consultancies and signing MoUs.

People from Reliance JIo Mumbai, Sasken Telecomm Mumbai, Special Technology Pvt Ltd., Ericson, Grad2Guru were present.

Above mentioned points in the agenda they were discussed. Everyone has shown their interest to for the progress of the department. They advise to advisory board for supporting the department. Also to it is planned to have such meeting on regular basis.

2. **MoU for Wi-Fi Connectivity in the entire campus. Reliance JIO**, Mumbai has agreed to provide required infrastructure for Wi-Fi connectivity in university premises without any charges. The matter was

recommended by committee of three faculty members from E & TC and Computer Engg. and IT is approved by university infrastructure committee and MoU is signed.

3. **MoU for Communication Lab development**: Under this MoU Reliance Jio, Mumbai is ready to setup state-of-the-art telecommunication lab under certain constrains. The constraints are two smart classrooms, with Fiber optics setup, high speed internet, room for server set up. Reviewing and discussion about clauses in MoU are going on. Under this MoU course will be proposed by Reliance and expert from our university will be conducting the course. If and when required training will be provided to expert faculty who will be conducting the course. By end of May final decision will be taken about the MoU.

4. **National Conference (NCCEEE):** Department has successfully organized a national conference on computer, electrical and electronics engineering (NCCEEE) on 23rd and 24th April, 2016 in association with IETE, Delhi. 96 papers, from various institutions and Industries all over India, including premier institutions like IITs, NITs, were presented during this conference. The Chief Guest for this function was Shri. Suresh Lok, Senior VP, Consulting Innovation and Evaluation for New age Services at International Innovation, Incubation and Training centre, Navi Mumbai. Ravindra Kale, Sr. Programme Manager, Tata Communication Ltd, Mumbai, Dr. Munir Sayyad, General Manager, Reliance JIO, Dr. B. B. Meshram, Professor, Computer Engineering VJTI, Mumbai were among other delegates. 10 plenary talks of distinguished academicians, professionals, industrialists and management thinkers were also organized at this event.

5. **Alumni Meet: A**lumni meets are being organized by each departments every year. Alumni from different batches attended the event. They shared their experience as well as interesting moments of campus life to the audience. They also shared their expectations from Department and how they can contribute for the development of the department. An interaction session was organized with alumni so that students get the proper guidance for the various opportunities after engineering, preparation for various exams like GATE, GRE, TOEFL, and research opportunities. After a discussion, it was unanimously decided to establish an Alumni Constitution, a team of alumni and faculty to keep in track with schemes they might undertake for the betterment of the department.

6. **QEEE Programme**: University is participating in QEEE programme of MHRD for receiving live interactive classes from IIT Madras under TEQIP-II. We have selected 3 theory courses, 3 virtual labs and 5 vocational augmentation courses under this programme. Dr. S.L. Nalbalwar and Dr. M. S. Tandale are working as System Administrator and Coordinator respectively for this programme.

7. **The Video Lectures prepared by IIT faculty** from NPTEL videos are regularly shown to the students for enhancing their understanding and performance in the core subjects of the course. Course content of the curriculum for most of the subjects are taken from NPTEL pool.

8. GATE coaching

Remotely situated institutes like ours must conduct practices beneficial to students during final year of graduation. Department conducts, throughout the year, the GATE coaching classes for all the students till their examination and these classes are included in their weekly time table as if they are the part their academic schedule. Every year almost all students of the final year B.Tech are appearing for the examination. In this year about 48 students have cleared GATE -2016 examination.

9. Industrial Training

Each student undergoes an industrial training during summer vacation at the end of 2nd year B.Tech. for 2-weeks and 3rd year B.Tech. for 4 weeks. This training gives exposure to the students to latest industrial practices and modern technologies, develops interest of core subjects among students; which would in turn help them to identify research-oriented projects.

10. Technical Project related to Community Services

Students undertaken projects related to community services. Through such projects, they get exposure to real life problems of the community. This gives them an opportunity to seek solutions to such problems. Initially group of students visit the nearby places surrounding the university and discuss about various issues that community is facing in their day to day activities. Thereby identifying the problems through the discussions and observations, students suggest the various possible solutions and develop prototype model to fulfil their requirements.

11. Open Book Examination

Department started open book examination for some of the B.Tech / M. Tech courses. Purpose behind this is to improve conceptual understanding and thinking ability rather than memorizing ability. It is ideally suited to teaching programs that especially aim at developing the skills of critical and creative thinking. A more important reason for using open book examinations is that they have a tremendous impact on promoting the right mental sets in both learning and teaching.

12. Chemfraternity 2016:

The Department of Chemical Engineering conducted a state level Techfest during March 18-20, 2016. About 120 students from different Engineering colleges in Maharashtra and the students of Dr. Babasaheb Ambedkar Technological University participated in different programs like technical paper and poster presentations, Industrial problem solving, etc.

13. World Water Day Celebrations:

Every year the Department of Chemical Engineering conducts World Water Day on March 22. We invited nearby school children to participate in quiz and elocution competitions and also to spread awareness of water conservation through these activities. This year also the Department of Chemical Engineering celebrated World Water Day with great zeal.

14. Contribution to NCC/NSS 2015-16:

National Cadet Corps is a tri-services organization, compromising the Army, Navy and Air Force, engaged in grooming the youth of the country into disciplined and patriotic citizens. The cadets are given basic military training in small arms and parades. The officers and cadets have no liability for active military services once they complete their course but are given preference over normal candidates.

15. Technical Project related to Community Services:

Students undertake projects related to community services. Through such projects, they get exposure to real life problems of the community. This gives them an opportunity to seek solutions to such problems. Initially group of students visit places nearby the University and discuss about various issues that community is facing in their day to day activities. They identify the problems through the discussions and observations. Students suggest the various possible solutions and develop prototype model to fulfill their requirements.

16. Industrial Visits: Department motivates students to participate in industrial visits. This opportunity makes the student to fill the gap between the current trends and course curriculum. Following Industrial visits were arranged for B. Tech and M. Tech students in this year.

Sr. No.	Duration	No. of Students	Industry Visited
1.	22nd October- 26th October, 2015	EXTC Third Year B. Tech : 62	Ed Gate Technologies, IIBS, Bangalore
2.	22nd March- 27th March, 2016	EXTC Second Tear B. Tech: 64	Hindustan Coca-Cola Beverages Pvt. Ltd, Bangalore
3.	27th September to 2nd October, 2015	Chemical	MRPL, Mangalore
4.	13th Feb to 16th Feb2016	Electrical 47 students	Bengaluru International Exhibition Centre' in Bangalore

			CPRI (Central Power Research Institute), Bangalore
5.	8-11/03/2015	Electrical B.Tech – II 58 Students	Royal Engineering, Ahmedabad
6.	20/04/2015	Electrical B.Tech – I 58 Students	Ajinkyatara Sahakari Sakhar Karkhana, Satara
7.	23rd July, 2015	Petrochemical B.Tech – II	Gharda Chemicals
8.	2nd week of January, 2016	Third Year Computer	Persistent System Pvt. Ltd.
9.	04 th March 2016	IT B.Tech. III - 63 Students	PSPL- Pune

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	75357 Sq feet	--	UNIVERSITY	--
Class rooms	3600 Sq feet	900	--	--
Laboratories	4200 Sq feet	--	UNIVERSITY	100000
Seminar Halls	800 Sq feet		UNIVERSITY	60000
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	--	10	TEQIP	60,0000
Value of the equipment purchased during the year (Rs. in Lakhs)	40,00000	80,05,004/-	TEQIP	1,20,05004
Others	--	--	--	--

4.2 Computerization of administration and library:
For Administration it is planned in 2017-18 and library is fully computerized.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	37108	NA	1165	2026146	38273	NA
Reference Books	6239	NA	117	NA	6356	NA
e-Books	-	-	-	-	-	-
Journals	NA	NA	99	NA	99	NA
e-Journals	NA	NA	8		8	2149775
Digital Database	NA	NA	NA	NA	NA	NA
CD & Video	481+27	NA	NA	NA	481+27	NA
Others (specify)	News papers		24(daily)	59972	24	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	325 PCs	15 Labs	Leased Line from BSNL of 1Gbps Accessed through centralized facility	00	53 PCs	21 PCs	231 PCs	20PCs (Library)
Added	112 PCs	01 Lab	Line from RelTel 10 Mbps Accessed through centralized facility	00	00	10 PCs	92 PCs	10PCs
Total	437 PCs	16 Labs	--	00	53 PCs	31 PCs	323 PCs	30PCs

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)
- Conducted two workshops on internet security

4.6 Amount spent on maintenance in lakhs:

i) ICT — --

ii) Campus Infrastructure and facilities — 107

iii) Equipments — 13

iv) Others — --

Total: 120

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

We have a system for student support and mentoring. The Vice Chancellor controls the Student Affairs which covers overall discipline among the students, redressing their grievances, sports activities, cultural activities, NSS and NCC activities, student's health care, maintaining and updating student's database and Alumni activities. These activities are conducted through the Registrar, Heads of the Departments, Hostel Rectors, NSS and NCC coordinators, Teacher in-charge for sports activities and Teacher-in-charge for cultural activities. University also appoints conveners for various student activities for the smooth conduct of these activities.

We support and mentor the students for various aspects including academics and extra-curricular activities. We encourage the students to participate in the activities of their choice.

We organize regular guest lectures of the professionals from industry to guide our students about the expectations of the industry, team dynamics, corporate etiquettes etc. The students are provided ample opportunity of interaction with these experts. We also conduct mock aptitude tests for the final year students. The training and placement officer regularly interacts with the students and guide them for the group discussions and preparation for interviews.

We also organize special lectures on Personality Development and soft skills for the benefit of the students. The experts and professionals are invited in every semester. The students are also encouraged to contact the experts and arrange the lectures at their Department level. The University takes care all expenses including honorarium, travel expenses and provide local hospitality to the invited guests. The students also get guidance on carrier path identification through these guest lectures.

5.2 Efforts made by the institution for tracking the progression

Continuous assessment of students is carried out during mid-semester and end semester using mini project, presentation, demo, assignment, objective test etc.

For faculty it is mandatory to submit Course file along with attainment of proper CO and PO.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2584	198	95	00

(b) No. of students outside the state

17

00

(c) No. of international students

MEN		No.	%
UG		1759	68
PG		143	72

WOMEN		No.	%
UG		825	32
PG		55	28

	Last Year(2014-15)						This Year(2015-16)					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
UG	1103	235	110	793	03	2244	943	362	131	1143	4	2584
PG	227	7	-	-	-	234	64	33	3	79	3	198
PhD	86	-	-	-	-	86	95	-	-	-	-	95

Demand ratio [--] Dropout % [15]

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

GATE coaching remotely situated institutes like ours must conduct practices beneficial to students during final year of graduation. University conducts, throughout the year, the GATE coaching classes for all the students till their examination and these classes are included in their weekly time table as if they are the part their academic schedule. Every year almost all students of the final year B.Tech are appearing for the examination. In this year about 31 students have cleared GATE -2016 examination

No. of students beneficiaries [100]

5.5 No. of students qualified in these examinations

NET [00] SET/SLET [00] GATE [48] CAT [00]

IAS/IPS etc [01] State PSC [00] UPSC [00] Others [11(GRE)]

5.6 Details of student counselling and career guidance

The Universityy has organized various expert talk and training programs for UG and PG students. In academic year 2015-16 total 12 programs organized by the University.

No. of students benefitted : 1000

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
02	60	04	00

5.8 Details of gender sensitization programmes

Women Cell is available and expert lectures on the awareness are given by the eminent personalities

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level $\boxed{1620}$ National level $\boxed{1}$ International level $\boxed{0}$

No. of students participated in cultural events

State/ University level $\boxed{632}$ National level $\boxed{0}$ International level $\boxed{0}$

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level $\boxed{680}$ National level $\boxed{08}$ International level $\boxed{00}$

Cultural: State/ University level $\boxed{148}$ National level $\boxed{00}$ International level $\boxed{00}$

5.10 Scholarships and Financial Support

	Number of students	Amount

Financial support from institution	Nil	Nil
Financial support from government	GoI Scholarship-1636(Applied) GATE Scholarship-75	GoI Scholarship is Fees Paid by the student according to caste 12400 GATE scholarship
Financial support from other sources	71(TEQIP-PhD+M. Tech)	Rs. 27500 per month per PhD student Rs.12400 per month per M Tech student
Number of students who received International/ National recognitions	Nil	Nil

5.11   Student organised / initiatives

Fairs   : State/ University level   `--`   National level   `01`   International level   `--`

Exhibition: State/ University level   `02`   National level   `--`   International level   `--`

5.12   No. of social initiatives undertaken by the students   `29`

List of some of the social initiatives undertaken by the students

Sr. No.	Event	Description
1	International Yoga Day 2015	International Yoga Day was celebrated with great enthusiasm in our University on 21 st June, 2015 which was organized by our NCC Unit. More than 400 cadets participated for this International Yoga event.
2	Disabled People Survey	Survey of disabled people in nearby areas was conducted on 23 rd July, 2015 by our NCC Unit. The needs as well as lifestyle of those people were studied and understood by our cadets discovering a new approach to their lives.
3	Cleaning Survey at Mangrul Village	On 20th October, 2015 cadets conducted a cleanliness drive at Mangrul village which is adopted by our NCC Unit of our University. Cadets cleaned the place very efficiently.
4	Cycle Expedition at Raigad Fort	On 31 st January, 2016, our NCC Unit has organized a cycle expedition at Raigad fort. Active cadets of our Unit participated in it.
5	Snake Show	The objective of this programme was to create awareness among the students about the snakes so that we can maintain the ecosystem by preserving different types of snakes.
6	Run for 'Spirit of India	Our Cadets joined the Australian former MP and tourism minister, Mr. Pat Farmeron his run for his social act named as Spirit of India. Cadets ran with the team up to 25 km from Lonere.
7	Blood Donation and Thallessemia Screening drive	Blood donation camp was organized on 17thApril, 2015. The Drive was inaugurated by

		Hon. Vice-Chancellor of the University Dr. W. N. Gade. 326 units of blood was collected in the drive by the team of J. J. Hospital Mumbai. During the drive, blood samples of 348 first year B. Tech students were tested for thallessemia screening.

5.13 Major grievances of students (if any) redressed: _Nil_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Mission: The University is committed to provide quality technical education, research and development services to meet the needs of industry, business, service sector and the society, at large.

Vision: The University is committed to becoming a leading 'Center of Excellence' in the field of Engineering, Technology and Science as a seat of learning with a national character and international outlook

6.2 Does the Institution has a management Information System

Yes, The Vice Chancellor has taken keen interest in developing MIS for the academic administration of the University which takes care of all the activities right from admission/ registration to the declaration of results.

The system of on-line academic monitoring have been introduced since last 3 semesters which is unique. The Vice Chancellor personally monitors the status of activities through this web based MIS and issue necessary instructions to the Heads of the Departments and concerned officers. The finance is also managed through Tally (ERP) base MIS which has been found very effective.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1   Curriculum Development

The University follows a systematic process in designing and developing the curriculum. The University has following step-by-step mechanism for this purpose:

1. **Board of Studies (BoS)**

Each University Department has its own Board of Studies (BoS). The main function of the BoS is to frame the curriculum and the contents of individual courses and to identify the electives to be offered. The BoS includes experts from industries, academia and research organizations. While framing the curriculum, the BoS takes into account the feedback from various stakeholders, needs of the industry, profession and society, needs of the research organizations, thrust areas of the country, etc. The curriculum for first year of UG and PG programmes has been revised and made applicable with effect from July 2016. Subsequently University is going to propose revised curriculum for second year onwards for UG and PG programmes from July 2017. It is decided to implement the system in line choice based credit system. On an average 50% members on the BoS are experts from industries which suggests the courses relevant to industrial needs.

2. Academic Council (AC)

The Academic Council formulates common structure of all the courses conducted by the University, reviews and approves the syllabi prepared by each BoS, prepares academic calendar, and periodically reviews examination results. AC also discusses the reports placed by research committee, advisory board and IQAC and give suggestions for improvements from time to time. Care has been taken to have sufficient representation of experts from industries. Which has really helped us to increase industry-institute interaction and possibility of industry sponsored UG and PG projects.

3. Executive Council

The executive council is the highest body with the Vice-Chancellor as its ex-officio chairman. It is the principal authority vested with the powers of supervision, control, and execution. The council reviews almost all the stated academic activities including the curricula before its implementation. It also suggests improvements, modifications and any such new policies for improvement and enhancement of the quality of education.

4. Internal Quality Assurance Cell (IQAC)

The IQAC reviews and monitors the progress of various academic activities on monthly basis, takes preventive and corrective measures for quality assurance. It also recommends best practices to be followed by all the Departments of the University for the purpose of improvement of quality of academic and administrative activities. It also reviews the curricula prepared by each Department and gives suggestions for improvement.

While framing the curricula, it is necessary to ensure that the curricula are relevant for the industry, research organizations and profession. The Boards of Studies (BoS) and Academic Council have representatives from industry and research organizations; who give valuable inputs so as to make the curricula relevant. In addition, feedback from stakeholders including our alumni working in industry and industry personnel helps in making the curricula relevant for industry, research and innovation.

In view of the above, the University has introduced innovative courses like 'mechatronics' in Mechanical Engineering, Communicative English and Self-study Seminar for all disciplines, Technical Project on Community Services, to name a few.

All India Council for Technical Education (AICTE), which is the regulatory body for technical education, periodically brings out 'model curriculum". All the Departments have referred to the model curricula of their respective disciplines while framing the curricula. These model curricula have certainly provided valuable inputs. It is worth-mentioning that the University is amongst few in the country to have implemented choice-based credit system.

5. **Academic Audit**: Every year academic audit of each department is carried out by the members of Advisory board. The report of the advisory board is placed in academic council through IQAC for mentoring the departments.

6.3.2 Teaching and Learning

The University conducts remedial coaching classes for the weak students on a regular basis. There is a separate remedial coaching cell for this purpose. A faculty members has been appointed as the Coordinator for this Cell. He is assisted by three members from supporting staff. Each Department prepares a separate time-table for remedial courses. Usually, these classes are conducted during evenings or on holidays.

Academic Calendar: At the beginning of every academic year, the University prepares an academic calendar quite meticulously. This academic calendar is placed before the Academic Council and Executive Council for their approval. Once approved, all the activities including teaching, tests and end-semester examination are conducted as per the academic calendar without any slippages. Thus, the academic calendar is **'non-negotiable'** document for us. Over the years, the University has been conducting all the examinations as per the academic calendar and declaring the results **within 30 days** as per the norm **without any hassle**.

Teaching Plan: As regards to the 'Teaching Plan', each teacher has to upload the teaching plan on the website as an integral part of the 'on-line academic monitoring system'; which has been developed by the University.

Continuous Evaluation System: The University has adopted 'continuous evaluation system' ever **since its inception in its letter and spirit**. At present, the evaluation consists of two tests and an end-semester examination (ESE) for theory courses. The tests and end-semester examination (ESE) are conducted strictly as per the academic calendar. For laboratory courses, evaluation is done immediately after each lab experiment is over.

Transparency in Evaluation: Transparency is 'hall-mark' of the University examination system. While the answer-books of the tests are shown to the students after evaluation by the concerned teacher, photocopies of the answer-books of the end-semester examination (ESE) are made available to the students on payment of prescribed fees. The University has standardized a format for evaluation of the laboratory courses. This format is available on the website as an integral part of the 'on-line attendance system'. Thus, the student can monitor his or her own performance on a continuous basis.

The University is fully aware of the fact that for holistic development of students, it is necessary to give enough attention to extra- and co-curricular activities along with sound curriculum. Courses such as self-study seminar, technical project on community services (group project) and final year project (group project), industrial training and internship and industrial visits promote self- and participatory learning. In addition, assignment, quizzes, course seminars also promote self- and participatory learning.

The students also take part in various technical competitions and technical festivals held in-house and outside. The students of all branches collectively organize a Technical Festival namely "Cynosure" every year with tremendous enthusiasm and excitement. This is a multidisciplinary event which provides a platform to the students to show their talent in various activities such as paper presentation, model building, design, robotics, etc. In addition, some branches have Students' Chapter of some professional associations, e.g. ISHRAE, SAE-India Club, etc. These chapters conduct various activities throughout the year. These activities also promote all-round development of the students. Thus, through the above activities, the students develop traits such as learning on one's own, learning from others, learning to learn which are essential attributes for life-long learning.

6.3.3 Examination and Evaluation

In the recent years, the University has carried out following examination reforms:

University has introduced choice-based credit system from the academic year 2010-11 in stepwise manner in all the Departments. With this system, new relative grading system has also been put in place in all the Departments.

All the tests and end-semester examinations (ESE) are conducted strictly as per the academic calendar.

Answer books of the tests are shown to the students. However, photocopy of answer-books of ESE can be made available after payment of certain fees. This has led to the transparency.

Evaluation of ESE answer-books is carried out in Centralized Assessment Programmes (CAP). As a result, all the results can be declared within 30 days of completion of the exam.

The examination results are posted on the University website.

The reforms such as payment of exam fees on-line has enhanced efficiency.

All the results are declared within 30 days of completion of the exam. The results are published on the University website

The University exercises utmost care and precaution in every step of the examination process as follows:

Paper Setting: The faculty members have to submit three sets of question papers in sealed envelope to the Exam Section.

The printing of question papers is done in a separate room by taking security measures just one day in advance.

The conduct of examination is done under strict vigil. There are squads to keep the vigil. All the ESE answer-books are evaluated in the CAP Center by taking security measures.

6.3.4 Research and Development

The University has Research Committees at the Department level. Every Department offering Ph. D. programmes has Research Committee constituted as per the provisions made in the Ph. D. rules and

regulations. The Departmental Research Committee comprises of Chairman who is the Head of the Department. All faculty members having the designation of 'Professor' are the members of the committee, one Associate Professor of the Department (on rotation basis) will be the member and all guides are also members of the Research Committee. All these Research Committees also have five each external members nominated by the Academic Council of the University. The committee will meet as and when required, to discuss the problems of Ph.D. students. The recommendations of the Research Committee are be placed in Academic Council and Academic Council takes appropriate decisions on the recommendations of the Research Committee.

Research fellowships are available for all full time Ph. D. students.

6.3.5 Library, ICT and physical infrastructure / instrumentation

A special Body "Building & Works Committee" headed by the Vice chancellor and participated by Hon. Chancellor's Nominee, PWD officers & Invited Experts takes care of requirement of physical infrastructure.

Necessary policies for planning the facilities are decided and submitted for final approval to E.C & then GOM and /or GOI for generating funds. Available facilities are handed over to Department concerned. This distribution is based on government norms wherever applicable. Periodic review is taken to avoid under-utilization of facilities.

University believes that a healthy teaching-learning environment is one of its biggest assets. A well-equipped library and classrooms with modern teaching aids such as LCD projectors stand in testimony of this. Our library has well demarcated space for book bank, reading section, reference section, and study section, offices for librarian & Assistant librarian and Elearning facilities.

The University has provided office space to all faculty members, Heads of the Departments and all section heads. Separate rest rooms for women student and staff are provided in the University main building. As stated above proposed Women's Common room has necessary facilities such as rest room, changing room, dining space, entertainment space &Toilet blocks. This will be a common facility for girl students of all Departments and women employees.

As per directives of National Building code and AICTE Building Norms, facilities required for differently abled persons are provided. This includes basic provision of entrance ramp, lift and level toilets at ground floor. One of the class rooms at ground floor has been earmarked for allotting to differently abled students on demand by Department concerned. Security Guards keeping vigil inside the building have been instructed to render necessary physical help.

Playfield of 5.1 hectares is prepared. The facility of indoor games is available. The proposal of sports complex of divisional level capacity is under consideration. (additional information is already given under the head 'student facilities')

6.3.6 Human Resource Management

The University is facing shortage of faculty in all the disciplines due to various reasons. However, the existing faculty members are well qualified to cater to the curriculum and academics. The University also appoint teachers on contract basis and teaching assistants (PhD scholars and GATE-qualified M. Tech students) to make up for the shortage of faculty.

6.3.7 Faculty and Staff recruitment

University encourage diversity in its faculty recruitment. University does recruit the faculty as per state government's norms and regulations. University is keeping continuous follow-up with Government for to fill up vacant post and create new post UG and PG programmes.

6.3.8 Industry Interaction / Collaboration

While framing the curricula, it is necessary to ensure that the curricula are relevant for the industry, research organizations and profession. The Boards of Studies (BoS) and Academic Council have representatives from industry and research organizations; who give valuable inputs so as to make the curricula relevant The University has a liberal policy for consultancy work and encourages faculty members to undertake consultancy work like testing of materials, product development, construction work, Industrial consultancy (like expert opinions) and Extension Activities for industry personnel.

The University-industry interactions includes summer training of our students and training of the employees of the University. The University have completed training programmes for reputed industries like Larson & Toubro, Sandoz Ltd., Privi Organics Ltd., Excel Industries Ltd., etc. The University have generated good amount of revenue through these training programmes.

University has signed many MOU's with different industries

6.3.9 Admission of Students

The admission for all the courses UG (B. Tech) and PG (M. Tech) run by the University is done through on-line centralized admission process which is conducted by the Directorate of Technical Education, Government of Maharashtra. The information about the University is included in the handbook published and distributed by the Directorate. However, the rules and regulations governing examinations and evaluation of the courses run by the University are made available to the students on the website of the University, which can be accessed on-line. The University also publish information about

hostel admissions, admission schedule, fee structure, instructions regarding on-line payment of fees, instructions regarding online registration, code of conduct, and information about the Departments, the authorities of the University, syllabus, academic calendar etc. on its website. The information about the anti-ragging committee formed as per UGC norms and contact numbers of the persons to be contacted in case of emergency (or to report any incidence of ragging) is also made available on the website of the University. Other information about the function is available on the website of the University under RTI link

6.4 Welfare schemes for

Teaching	GPF, Financial Assistance, Maternity Leave, QIP
Non teaching	GPF, Financial Assistance, Maternity Leave
Students	Financial Assistance to students for projects, Anti Ragging Committee, Department wise different committees organise various extracurricular activities,

6.5 Total corpus fund generated

--

6.6 Whether annual financial audit has been done   Yes √   No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Advisory Board	Yes	HoDs
Administrative				

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes √   No

For PG Programmes   Yes √   No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The University has carried out following examination reforms:

As mentioned earlier, the University has introduced choice-based credit system from the academic year 2010-11 in all the Departments.

With this system, new relative grading system has also been put in place in all the Departments.

All the tests and end-semester examinations (ESE) are conducted strictly as per the academic calendar.

Answer books of the tests are shown to the students. However, photocopy of answer-books of ESE can be made available after payment of certain fees. This has led to the transparency.

Evaluation of ESE answer-books is carried out in Centralized

Assessment Programmes (CAP). As a result, all the results can be declared within 30 days of completion of the exam.

The examination results are posted on the University website.

The reforms such as payment of exam fees on-line has enhanced efficiency.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

We organize alumni meet to make the students aware the job scenario and available job opportunities in the market. Interaction with alumni also helps the students to prepare for interview

6.12 Activities and support from the Parent – Teacher Association

We conduct Parent – Teacher meets yearly at department level to get track of student's progress and to get suggestion from parents for several issues. Parents are also involved as members for various university/department committees such as Anti-Ragging Committee, Grievance Committee etc

6.13 Development programmes for support staff

- Refresher courses
- HRD programmes
- Orientation programmes
- Staff training conducted by the University
- Staff training conducted by other institutions
- Summer / Winter schools, workshops, etc.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Energy conservation

Department of Electrical Engineering conducts energy audit of the campus as the student project every year. Optimum use of electricity is ensured through spreading awareness among the students and the employees. We will be replacing maximum possible lamps/ lights with LED in near future.

Use of renewable energy

The proposal is being prepared by the Department of Electrical Engineering for funding from MEDA.

Plantation

The University plants about 200 plants every year in monsoon as NSS and NCC activity. Many plants have grown up in last 10 years making campus beautiful. We also encourage this by tree plantation ceremony at the inauguration of every event in the campus

Hazardous waste management

The hazardous waste in the form of used chemicals from chemistry and chemical/petrochemical engineering laboratories is diluted many times in water and disposed carefully. We have the policy of minimal use of hazardous chemicals in these laboratories.

E-waste management

All e-waste (old computers, printers, electronics components) are stored in separate room. We do not have any facility for disposal of e-waste in University. The University arrange to sell this e-waste to proper buyers of e-waste.

Dustbin Fixing : Dustbins haven been fixed throughout the campus for separation of dry and wet garbage with help NSS and NCC students.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

TEDxDBATU: An event conducted in the university having talks from the renowned speakers from technical and non-technical field.

Digital payment gateway for accepting various fees and dues.

Every year National/International conferences are organised to encourage students for the research.

Every year workshops are organised to improve different soft skills of students.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Since IQAC was established in the month of March, 2016, actions could not be taken in this short period of three months (March-2016 to June -2016).

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

On-line Ph. D. Thesis Processing: To develop an innovative web-based solution for Ph. D. thesis processing with no manual intervention at all levels and to minimize the duration of Ph. D. thesis processing.

Institute Level GATE coaching for students.

Establishing excellent rapport with the nearby industries to draw the benefit of carrying out consultancy work for the industries and also accommodating students for industrial training Program.

7.4 Contribution to environmental awareness / protection
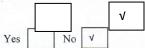
Energy conservation
Use of renewable energy
Plantation
Hazardous waste management
E-waste management

7.5 Whether environmental audit was conducted?   Yes [ ]   No [√]

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)
Nil

8. Plans of institution for next year

- Online library management
- Online quiz
- Online evaluation of answer sheets
- To establish the process of affiliation of colleges
- Collaboration with various national and international universities.
- Improve placement records.
- Strengthening industry – institute interaction
- Digitization of all activities related to academic to improve quality

Name Dr. L. N. Singh

_____
Signature of the Coordinator, IQAC

Name Dr. V. G. Gaikar

_____
Signature of the Chairperson, IQAC

Vice-Chancellor
Dr Babasaheb Ambedkar Technological University
Lonere - 402 103
Tal. Mangaon, Dist. Raigad
Maharashtra (India)

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Annexure A

Feedback Analysis Report (winter 2015: July- Oct 2015)
ELECTRONICS & TELECOMMUNICATION ENGINEERING
THEORY COURSES

Semester III

Subject	Name of Faculty	Average		Total Average
		Div A	Div B	Out of 5
EDC-1	Mr. M. V. Buktare	4.03	3.50	**3.86**
DE	Mr. R. V. Bandgar	2.99	2.12	**2.55**
NMCP	Ms. P. C. Nirmal	3.33	2.69	**3.01**
NA	Dr. A. B. Nandagaokar	2.96	2.56	**2.76**
	Mr. A. Shendre	2.05	2.48	**2.26**
EM-III	Bansod	2.32		**2.32**
	Sonawne		2.15	**2.15**
ET	Mr. Manoj	3.75	3.12	**3.43**
	Mr. Mithun	3.43	2.82	**3.12**

Semester V

Subject	Name of Faculty	Average		Total Average
		Div A	Div B	Out of 5
AC	Mr. R. D. Gawande	3.69	3.49	**3.59**
MCA	Mr. K. S. Kamble	3.03	4.08	**3.56**
DSP	Dr. S. L. Nalbalwar	4.50	4.60	**4.55**
EMF	Dr. B. R. Iyer	1.60	2.10	**1.85**
ELE-II	Mr. A. A. Jangam	3.27	2.74	**3.00**

Semester VII

Subject	Name of Faculty	Average		Total Average
		Div A	Div B	Out of 5
DIP	Mr. Y. V. Parkale	3.17	3.38	**3.28**
OC	Mr. P. D. Paikaro	3.27	3.05	**3.16**
ELE-IV (VLSI)	Mr. S. V. Isai	3.21	3.44	**3.33**
MTT	Mr. S. V. Khobragade	3.90	3.52	**3.71**
COSS	Ms. P. P. Ingale	2.65	3.18	**2.92**

Feedback Analysis Report (SUMMER 2016: JAN-APRIL 2016)
ELECTRONICS & TELECOMMUNICATION ENGINEERING
THEORY COURSES

	Subject	Name of Faculty	Average		Total Average
			Div A	Div B	Out of 5
Semester IV	MP	Mr. K. S. Kamble	4.31	4.16	**4.24**
	EDC-II	Mr. M. V. Buktare	4.52	4.48	**4.50**
	SS	Dr. S. L. Nalbalwar	4.15	4.91	**4.53**
	PCE	Dr. B. R. Iyer	3.74	4.23	**3.99**
	ELECTIVE	Mr. R. D. Gawade	3.58	4.4	**4.13**
		Other	3.11	3	**3.06**

	Subject	Name of Faculty	Average		Total Average
			Div A	Div B	Out of 5
Semester VI	CE	Ashish Shendre	3.72	-	**3.72**
		Ramesh Bandgar	-	2.56	**2.56**
	AAT	Patima Nirmal	3.27	-	**3.27**
		Aniket Jangam	-	3.16	**3.16**
	DC	Dr. A. B. Nandgaonkar	2.74	3.41	**3.08**
	DSD	Rashmee Shet	4.04	4.02	**4.03**
	3G/4G	Pawan Paikrao	3.08	2.5	**2.79**

	Subject	Name of Faculty	Average		Total Average
			Div A	Div B	Out of 5
Semester VIII	CN	Mr. S. V. Isai	4.33	4.51	**4.42**
	SATCOMM	Mr. S. V. Khobragade	4.39	3.87	**4.13**
	ESD	Mr. S. S. Bavkar	4.90	3.89	**4.40**
	BME	Ms. P. P. Ingale	4.23	4.04	**4.14**

ELECTRONICS & TELECOMMUNICATION ENGINEERING
ON COURSES

	Subject	Average		Total Average
		Div A	Div B	Out of 10
Semester IV	MP	8.12	8.25	**8.19**
	EDC II	7.78	8.23	**8.01**
	SS	8.02	8.28	**8.13**
	PCE	7.94	8.19	**8.06**
	ELECTIVE (EMI)	6.25	8.25	**7.25**
	ELECTIVE (OTHER)	7.88	7.50	**7.69**

	Subject	Average		Total Average
		Div A	Div B	Out of 10
Semester VI	CE	7.66	5.90	**6.78**
	AAT	7.12	6.54	**6.83**
	DC	6.31	6.22	**6.27**
	DSD	6.75	5.96	**6.36**
	Advanced 3G/4G	7.40	7.6	**7.50**

	Subject	Average		Total Average
		Div A	Div B	Out of 10
Semester VIII	CN	8.06	7.66	**7.86**
	SATCOMM	7.99	6.89	**7.44**
	ESD	7.92	6.22	**7.07**
	BME	7.81	7.66	**7.74**